



# भारत का राजपत्र The Gazette of India

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प्राधिकार से प्रकाशित  
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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III—खण्ड 2

### [PART III—SECTION 2]

[पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस]  
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Kolkata, the 3rd January 2004

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E-mail: delhipatent@vsnl.net

3. Patent Office Branch,  
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The States of Andhra Pradesh,  
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Pondicherry and the Union  
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Telegraphic Address "PATENTOFFIC"  
Phone Nos. (044) 2431 4324/4325/4326.  
Fax Nos. (044) 2431 4750/4751.  
E-mail: patentchennai@vsnl.net

4. Patent Office (Head Office),  
Nizam Palace, 2nd M.S.O. Building,  
5th, 6th & 7th Floor,  
234/4, Acharya Jagadish Bose Road,  
Kolkata-700 020.

Rest of India.

Telegraphic Address "PATENTS"  
Phone Nos. (033) 2247 4401/4402/4403.

Fax Nos. (033) 2247 3851, 2240 1353.  
E-mail: patentin@vsnl.com  
patindia@giasci01.vsnl.net.in  
Website : <http://ipindia.nic.in>

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### पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कोलकाता, दिनांक 3 जनवरी 2004

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कोलकाता में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं:--

1. पेटेंट कार्यालय शाखा,  
टोडी इस्टेट, तीमरा तल,  
सन मिल कम्पाउंड,  
लोअर परेल (वेस्ट),  
मुम्बई - 400 013।

गुजरात, महाराष्ट्र, मध्य प्रदेश तथा  
गोआ राज्य क्षेत्र एवं  
संघ शासित क्षेत्र, दमन तथा दीव एवं  
दादर और नगर हवेली।

तार पता : "पेटेंटोफिस"

फोन : (022) 2492 4058, 2496 1370, 2490 3684, 2490 3852

फैक्स : (022) 2495 0622, 2490 3852

ई. मेल : patmun@vsnl.net

2. पेटेंट कार्यालय शाखा,  
डब्ल्यू-5, वेस्ट पटेल नगर,  
नई दिल्ली - 110 008।

हरियाणा, हिमाचल प्रदेश, जम्मू  
तथा कश्मीर, पंजाब, राजस्थान,  
उत्तर प्रदेश तथा दिल्ली राज्य  
क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़।

तार पता : "पेटेंटोफिक"

फोन : (011) 2587 1255, 2587 1256, 2587 1257,  
2587 1258.

फैक्स : (011) 2587 1256.

ई. मेल : delhipatent@vsnl.net

3. पेटेंट कार्यालय शाखा,  
गुना कैम्पेक्स, छत्र तल, एनेक्स-II,  
443, अन्नामलाई, तेनामपेट,  
चेन्नई - 600 018।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु  
तथा पाण्डिचेरी राज्य क्षेत्र एवं संघ  
शासित क्षेत्र लक्षद्वीप, मिनीकाय तथा एमिनिदिवि द्वीप।  
तार पता - "पेटेंटोफिक"

फोन : (044) 2431 4324/4325/4326.

फैक्स : (044) 2431 4750/4751.

ई. मेल : patentchennai@vsnl.net

4. पेटेंट कार्यालय (प्रधान कार्यालय),  
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय  
भवन, 5वां, 6वां व 7वां तल,  
234/4, आचार्य जगदीश बोस मार्ग,  
कोलकाता - 700 020।

भारत का अवशेष क्षेत्र।

तार पता - "पेटेंट्स"

फोन : (033) 2247 4401/4402/4403.

फैक्स : (033) 2247 3851, 2240 1353.

ई. मेल : patentin@vsnl.com

patindia@giasci01.vsnl.net.in

वेब साइट : <http://ipindia.nic.in>

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 2002 अथवा पेटेंट नियम, 2003 द्वारा अपेक्षित सभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेज या कोई फीस पेटेंट कार्यालय के केवल समुचित कार्यालय में ही ग्रहण किए जाएंगे।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक पेटेंट की भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है।

## CORRIGENDUM

## AMENDMENT UNDER SECTION 57

Under the heading "Complete Specification Accepted" in the Gazette of India, Part-III, Sec. 2 of dated 26th May, 2001 on page 603 in the Patent No. 185978 (Application No. 81/Del/1993).

Please Read

Applicant name as,

"ALBRIGHT & WILSON U.K. LIMITED"

Instead of

"ALBRIGHT & WILSON LIMITED"

## ALTERATION OF DATE U/S—16

191811 dated of filling 30/06/1999.

Application No. 294/DEL/1996 Ante dated to 14/02/1996

अभिगृहित पूर्ण विनिर्देशः

एतद्वारा सूचना दी जाती है कि आवेदनों में किसी पर पेटेंट अनुदान का विरोध करने वाले इच्छुक व्यक्ति राजपत्र के इस निर्गमन की तिथि से चार महीने के भीतर या उक्त चार महीने के समाप्ति के पूर्व, प्ररूप 4 में यदि आवेदित किया हुआ हो, तो परवर्ती एक महीने के भीतर, किसी समय, नियंत्रक, पेटेंट को ऐसे विरोध की सूचना प्ररूप 7 में उपयुक्त कार्यालय में दे सकते हैं। विरोध का लिखित कथन साक्ष्य के साथ, यदि कोई हो, दो प्रतियों में उक्त सूचना के साथ या अगले दो महीने की अवधि के भीतर दाखिल किया जाए। इस संदर्भ में, यथा संशोधित पेटेंट अधिनियम, 1970 की धारा 25 एवं पेटेंट नियम, 2003 के नियम 55 से 57 का अवलोकन किया जा सकता है।

उपयुक्त कार्यालय द्वारा विनिर्देश एवं चित्र आरेख, यदि हो, के छायाप्रति की आपूर्ति छायाप्रति शुल्क के रूप में प्रति पृष्ठ रु. 4/- की अदायगी पर की जा सकती है।

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a Patent on any of the Applications, may, at any time within four months from the date of this issue of Gazette or within further period of one month if applied for in Form 4 before the expiry of the said period of four months, give notice to the Controller of Patents at the Appropriate Office on Form 7 of such opposition. The Written Statement of Opposition accompanied by evidence, if any, should be filed in duplicate alongwith the said notice or within further period of two months. Section 25 of The Patents Act, 1970 as amended and Rules 55 to 57 of The Patents Rules, 2003 may be referred to in this regard.

Photo copies of the specification and drawings, if any, can be supplied by the Appropriate Office on payment of photocopying charges @ Rs. 4/- per page.

Indian Classification	:	158 B-2	191781
International Classification <sup>7</sup>	:	B-60D 1/6	
Title	:	"AN IMPROVED SLACKLESS TYPE DRAWBAR ASSEMBLY"	
Applicant	:	WESTINGHOUSE AIR BRAKE COMPANY, of Air Brake Avenue, Wilmerding, Pennsylvania 15148, United States of America.	
Inventors	:	WAYNE DAUGHERTY – U.S.A. WAJIH KANJO – U.S.A. AND MICHAEL GREGORY HAWRYSZKOW – U.S.A.	

Application for Patent Number 103/DEL/95 filed on 25.01.95

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi – 110 008.

#### (29 Claims)

An improved slackless type drawbar assembly for use in connecting together adjacently disposed ends of a pair of railway cars in a substantially semi-permanent fashion, said adjacently disposed railway cars having a center sill portion which is secured to a bottom portion of a car body member of a railway freight car, said slackless type drawbar assembly characterised by:

(a) at least one female connection member, said at least one female connection member provided with;

(i) a first end portion, having a first configuration to enable said first end portion of said at least one female connection member to be engaged within an outer end portion of said center sill member, and

(ii) a radially opposed second end portion which extends outwardly from such outer end portion of said center sill member;

(b) a cavity formed in said radially opposed second end portion of said at least one female connection member, said cavity being defined by an inner surface of a back wall portion, having a second configuration, an inner surface of a top wall portion and an inner surface of a pair of side wall portions, each side wall portion having a third configuration, said cavity being open adjacent at least a portion of a bottom and an outer end of said radially opposed second end portion of said at least one female connection member;

(c) a first opening, having a fourth configuration, formed through a first one of said pair of side wall portions;

- (d) a radially opposed second opening, having a fifth configuration, formed through a second one of said pair of side wall portions;
- (e) at least one male connection member having a sixth configuration, said at least one male connection member having;
  - (i) a first end portion, at least a portion of said first end portion of said at least one male connection member being movably disposed within said cavity formed in said radially opposed second end portion of said at least one female connection member, and
  - (ii) a radially opposed second end portion;
- (f) an aperture formed through a portion of said at least one male connection member adjacent said first end portion thereof;
- (g) a spherical shaped member, at least a portion of said spherical shaped member being disposed within said aperture formed through said first end portion of said at least one male connection member;
- (h) a pair of substantially horizontally disposed shaft members extending outwardly from radially opposed and substantially vertically disposed outer surface portions of said spherical shaped member, at least a portion of a first one of said pair of shaft members being disposed within said first opening formed through said first one of said pair of side wall portions and at least a portion of a second one of said pair of shaft members being disposed within said second opening formed through said second

one of said pair of side wall portions, each respective one of said pair of shaft members has a radially opposed and substantially flat surface portion formed thereon;

(i) a race assembly having at least a portion thereof disposed within said aperture and secured to said first end portion of said at least one male connection member, an inner surface of said race assembly being disposed around said at least a portion of said spherical shaped member disposed within said aperture formed through said first end portion of said at least one male connection member;

(j) a pair of wedge means, a first surface of a first one of said pair of wedge means being engaged with a first one of said radially opposed and substantially flat surface portions formed on said pair of shaft members and a second surface of said first one of said pair of wedge means being engaged with a substantially flat and vertically disposed surface portion formed on said first one of said pair of side wall portions adjacent a portion of said first opening and a first surface of a second one of said pair of wedge means being engaged with a second one of said radially opposed and substantially flat surface portions formed on said pair of shaft members and a second surface of said second one of said pair of wedges means being engaged with a substantially flat and vertically disposed surface portion formed on said second one of said pair of side wall portions adjacent a portion of said second opening; and

(k) a means engageable with said second end portion of said at least one male connection member and a second end portion of another male connection member for securing said second end portion of said at least one male connection member to said second end portion of said another male connection member thereby forming an improved slackless type drawbar assembly.

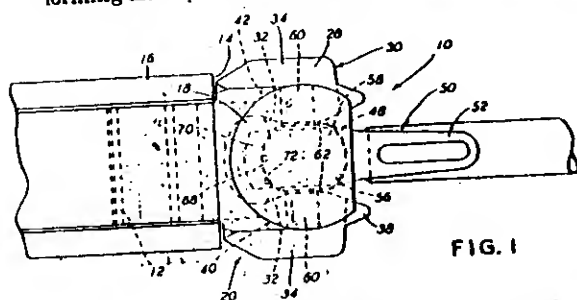


FIG. 1

Indian Classification	:-	32 C, 152 E, 207	191782
International Classification <sup>7</sup>	:-	B 32B 5/16, 27/42, 33/00	
Title	:-	"A DECOR SHEET FOR USE IN THE MANUFACTURE OF A DECORATIVE LAMINATE"	
Applicant	:-	NEVAMAR, COMPANY, LLC, of 7240 Parkway Drive, Suite 310, Hanover, Maryland 21076, United States of America.	
Inventors	:-	ROBIN DOUGLES O'DELL - U.S.A. JOSEPH ANTHONY LEX - U.S.A. ALICE MARY SIMON - U.S.A.	

Application for Patent Number      454/del/1995      filed on      14/03/1995

Convention Date      22/03/1994; 260147;NZ

Appropriate office for opposition proceedings (Rule 4, Patents Rules 2003) Patent Office, New Delhi Branch - 110 008.

( Claims      5 )

A decor sheet for use in the manufacture of a decorative laminate comprising a sheet of thermosettable resin impregnated paper having a protective overlayer thereon, said protective overlayer being substantially transparent and consisting essentially of a pre-cured thermoset resin and optionally mineral particles of fine particle size having a Moh hardness of at least 7 in a thermosettable resin matrix, the index of refraction of said pre-cured resin particles being substantially the same as the index of refraction of said thermosettable resin.

Complete Specification	No of Pages	23	Drawings Sheets	Nil
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Indian Classification :- 128 G 191783

International Classification<sup>7</sup> :- A 61F 6/02

Title :- "An Intra-Vas Contraceptive Device"

Applicant :- Man Mohan Kapur, of B 43, Defence Colony, New Delhi - 110 024.

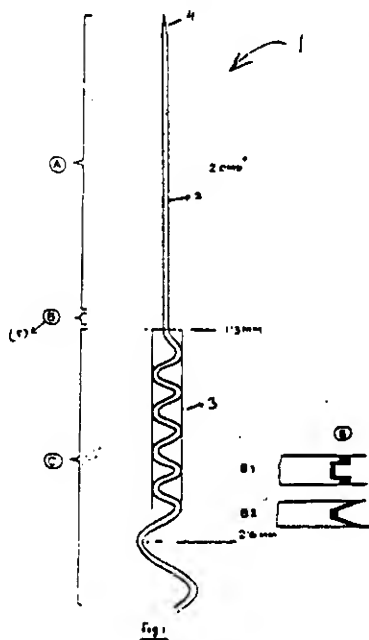
Inventors :- MAN MOHAN KAPUR - INDIAN.

Application for Patent Number 719/del/1995 filed on 20/04/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 3 )

An intra-vas contraceptive device comprising a metallic shaft (2) having length between 1.6 to 2cm and pointed end (4) at one of its end; a stainless steel coil (3) of length 1cm, diameter 2.6mm, having metallic wire of diameter 0.25 mm; and solder zone (5) between said shaft and coil where the said shaft and coil are bonded and wherein further the metal for the shaft is selected from copper, an alloy of copper and silver or stainless steel.



Indian Classification : 170 A 191784

International Classification<sup>7</sup> : C11D 003/37

Title : "A LAUNDRY DETERGENT COMPOSITION."

Applicant : THE PROCTER & GAMBLE COMPANY, a corporation organized and existing under the laws of the State of Ohio, United States of America, of one Procter & Gamble Plaza, Cincinnati, Ohio 45202, U.S.A.

Inventors : SUSUMU MURATA – JAPAN  
DAVID JOHNATHAN KITKO – JAPAN  
TOSHIKO SHIGEMATSU – JAPAN

Application for Patent Number 965/DEL/ 95 filed on 26<sup>th</sup> May 95.

Convention Application No. PM 6108/AU/3.6.94.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Branch, New Delhi – 110 008.

( 12 Claims )

A laundry detergent composition comprising :

- (i) a detergent surfactant selected from anionic, nonionic, cationic and amphoteric surfactants and mixtures thereof such as hereinbefore described present in an amount of atleast 10% and
- (ii) a detergent builder comprising a copolymer of maleic acid and acrylic acid present in an amount of atleast 10% and having the formula



wherein M is a cation, the molecular weight (MW) of the copolymers is from 5000 to 15,000 and the mole ratio R of x to y is from about 3:7 to 7:3, and further wherein the copolymer has an Index Ratio (IR) of atleast 110 where  $\text{IR} = \text{Binding Index (BI)} \times \text{Dispersing Index (DI)} / 100$ , wherein BI and DI can be determined as herein before described; and the balance being

- (iii) optional conventional detergent adjuncts including additional detergent builders.

(Complete Specification 27 Pages Drawings Nil Sheets)

Indian Classification - 104 N 151785

International Classification<sup>7</sup> - B 23 D 57/00

Title - "A high speed rotary cutting apparatus for ~~cutting~~ elastomeric materials"

Applicant - The Good year Tire & Rubber Company, at 1144 East Market Street, Akron, Ohio 44316-0001 United State of America.

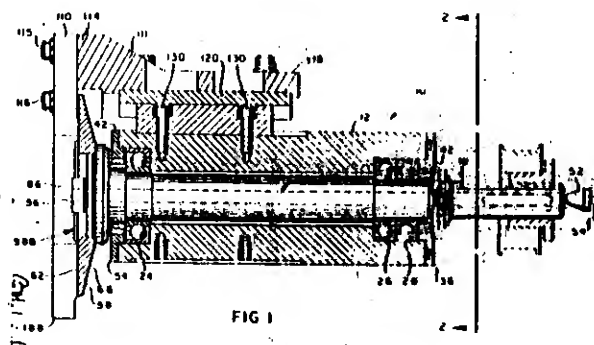
Inventors - STEPHEN BERNARD MURPHY - U.S.A.

Application for Patent Number 1262/del/1995 filed on 06/07/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 15 )

A high speed rotary cutting apparatus for cutting elastomeric material, said apparatus comprising: a housing having a first end and a second end and a housing bore between said first end and said second end; a spindle mounted within said housing bore for rotation at speeds at least 2,000 RPM; and, a rotary blade fixedly mounted to a first end of said spindle, said rotary blade having a generally planar cutting surface in a cutting surface plane, a generally planar back surface in a back surface plane, said back surface plane being disposed at an angle  $\alpha$  with said cutting surface plane of between 10 degrees and 90 degrees, said rotary blade having a plurality of peripheral lobes, each of the lobes having an attack surface and a trailing surface separated by a peak, said attack surface and said trailing surface being non-symmetric about a radial line passing through said peak wherein the trailing surface is inclined more sharply than the attack surface.



Complete Specification

No of Pages

16

Drawings Sheets

04

Indian Classification : 108 191786  
 International Classification : C 21C 5/52  
 Title : "A METHOD FOR THE MANUFACTURE OF STEEL."  
 Applicant : PRAXAIR TECHNOLOGY, INC. at 39  
 Old Ridgebury road, Danbury, State of Connecticut  
 06810 - 5113, United States of America.  
 Inventors : PRAVIN CHANDRA MATHUR - Indian Citizen  
 ZHIYOU DU - CHINESE CITIZEN AND  
 RONALD JOSEPH SELINES - U.S. Citizen

Application for Patent Number 1369/DEL/95 filed on 20.07.1995.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office  
 Branch, New Delhi - 110 008.

(9 Claims)

A method for the manufacture of steel, said method comprising the steps:

- (a) forming a molten charge bath comprising molten metal (3) and carbon within the electric arc furnace (1);
- (b) providing main oxygen into the molten charge and reacting main oxygen with carbon within the molten charge bath to generate carbon-monoxide within the furnace (1) to provide heat to the furnace and to stir the bath;
- (c) forming a gas stream within the furnace from where the main oxygen is provided into the molten charge to the exhaust port (9) and passing carbon monoxide generated within the furnace (1) toward the exhaust port (9) within said gas stream (12);
- (d) providing secondary oxygen into the gas stream (12) above the molten charge; and
- (e) reacting said secondary oxygen with said carbon monoxide within said gas stream (12) upstream of said exhaust port (9) and forming carbon dioxide in an exothermic reaction within the electric arc furnace (1);

Characterized in that

- (f) in step (b) the main oxygen is provided through the upper portion of the molten charge; and
- (g) in step (d) said secondary oxygen is provided into said gas stream close to a point of formation of the gas stream.

(Complete Specification Pages -13 Drawing sheets -1 )

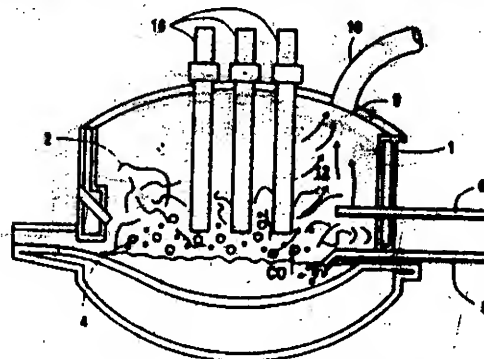


Fig. 1

Indian Classification - 64 A **191787**

International Classification<sup>7</sup> - F 02 P 3/02

Title - "An Ignition Coil Device."

Applicant - Honda Giken Kogyo Kabushiki Kaisha, at 1-1 Minamiaoyama 2-chome, Minato-ku, Tokyo, Japan.

Inventors - SHOJI MOTODATE -JAPAN

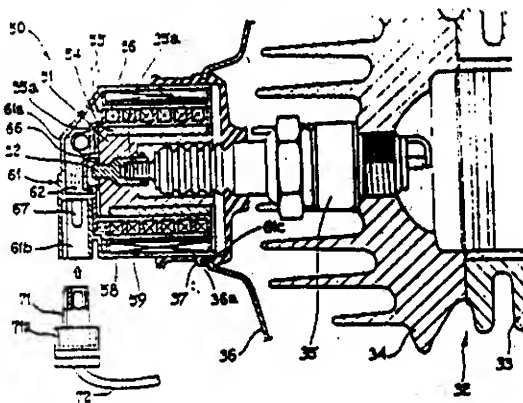
Application for Patent Number 1384/del/1995 filed on 24/07/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 05 )

An ignition coil device comprising; a plug cap engaging a spark plug; a secondary coil coaxially surrounding said plug cap; a core mounted between said plug cap and said secondary coil, said core having a tubular shape and being integrally mounted on said plug cap; a secondary coil bobbin coaxially surrounding and separate from said plug cap, said secondary coil being wound on said secondary coil bobbin; a primary coil coaxially surrounding said secondary coil; a cylindrical case surrounding said plug cap, said core, said secondary coil bobbin, said secondary coil and said primary coil; characterised by a sealing member sealing an opening of said cylindrical case, primary coil ends of said primary coil extending to a side of said cylindrical case opposite the spark plug; and terminals extending substantially perpendicular to a longitudinal axis of the spark plug, said primary coil ends being individually connected to said terminals.

**Fig. 4**



191788-11

Indian Classification - 134 B

International Classification - F 16 D 43/22

Title - "An Automatic and Manual Engagement Clutch System for a vehicle"

Applicant - PIAGGIO & C S.p.A. [formerly in the name of PIAGGIO VEICOLI EUROPEI S.p.A.] of Viale Rinaldo Piaggio, 25, Pontedera, Pisa, Italy

Inventors - MARCO NUTI - ITALY

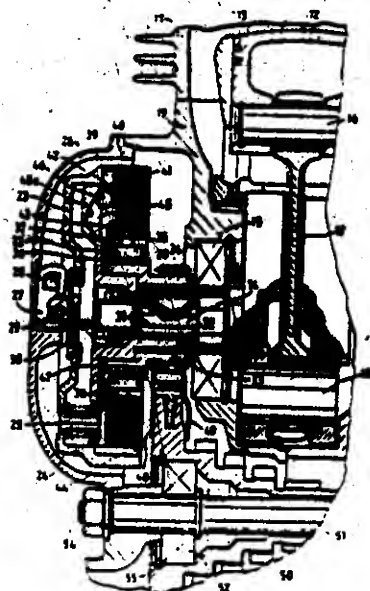
Application for Patent Number 1473/del/1995 filed on 07/08/1995

Convention Application No. MI95/A000997/17.05.1995/IT.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 09 )

An automatic and manual engagement clutch system for a vehicle comprising at least one drive wheel, in particular with a constant mesh gearbox, wherein the engine is provided with at least one piston (12) housed in a cylinder (11) to rotate a driving shaft (14) and a discrete ratio gearbox, characterised in that said clutch system comprises of inner clutch discs (38) and outer clutch discs (41) interposed between said driving shaft (14) and a primary element (50) and said clutch discs (38,41) are provided with mutual engagement means (46) to determine mutual engagement of said clutch discs (38,41) and positively operated means (27) for disengaging said clutch discs (38,41) when the engine is in operation.



Complete Specification

No of Pages

11

Drawings Sheets

01

Indian Classification : 98 D

International Classification<sup>7</sup> : F 28 D 15/00

Title : "A STRUCTURE OF HEAT EXCHANGER FOR USE AN AIR CONDITIONER"

Applicant: L. G. ELECTRONICS INC. 20. Yoido-dong, Youngdungpo - gu, Seoul. Korea.

Inventors : JEOM YUL YUN - Korean.  
HYUN YOUNG KIM, Korean:

Application for Patent Number 2405/DEL/1995 filed on 26.12.1995.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi - 110 005.

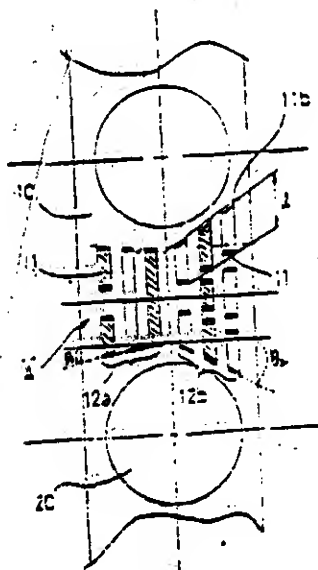
(15 Claims)

A structure of heat exchanger for use in an air conditioner comprising:  
a heat exchange fin 10 arranged in plurality in every specific interval for thermal conduction;  
a heat transfer tube 20 perpendicularly penetrating the said heat exchange fin so that coolant conveyed is thermally exchanged an intake side 12a a plurality of slits 11 are cut and raised at a reference surface of the fin 10 in a central portion between the said heat transfer tubes so that air is induced more to the said heat transfer tube; and  
an outlet side 12b having a larger angle than said intake side, increasing the velocity of air flow passing through the periphery of the said heat transfer tube to enhance the heat exchange and thereby prevent the flow of air from being stagnated at the rear of the heat transfer tube.

FIG 6

(COMPLETE SPECIFICATION 20 SHEETS

DRAWING SHEETS - 05 -)



Indian Classification

62 E

191790

International Classification

D 06F 18/00, D 06F 33/02

Title

"A WASHING APPARATUS OF A FULL  
AUTOMATIC WASHING MACHINE  
INCORPORATED WITH A WASHING  
COURSE OF DRY MARKED CLOTHES"

Applicant:

L. G. ELECTRONICS INC. 20, Yoido-dong,  
Youngdungpo - gu, Seoul, Korea.

Inventors:

DONG YEOP OH - KOREA  
GYU SANG CHOE - KOREA  
KYUNG SEOP HONG - KOREA  
KYUNG HWAN KIM - KOREA  
OH HUN KWON - KOREA

Application for Patent Number 2259/DEL/1995 filed on 07/12/1995.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch,  
New Delhi - 110 005.

(07 Claims)

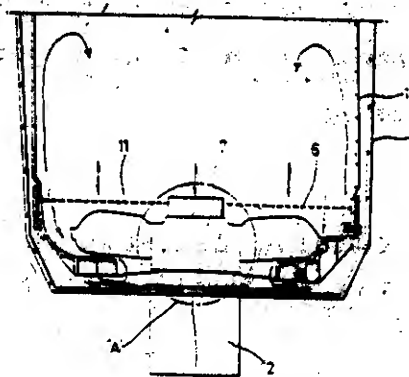
A washing apparatus of a full automatic machine incorporated with the washing course of dry marked clothes comprising:

a motor shaft 3 installed to a motor 2 mounted to an outer tub 1 for being rotated by the driving of the said motor characterizing in that;

a driving member 7 coupled with the said motor shaft for rotating reciprocally ascending and descending together with the rotational movement of the said motor shaft; and

a washing net 11 joined to said driving member for being vibrated up and down directions in accordance with the reciprocal ascending and descending movement of said driving member to preserve and clean the clothes that need dry-cleaning.

FIG. 4



(COMPLETE SPECIFICATION 14 SHEETS  
DRAWING SHEETS - 05)

Ind. Cl. : 55 E<sub>4</sub>. 191791  
 4  
 Int. Cl. : A61K - 31/00.  
 TITLE : " AN APPARATUS FOR INTRODUCING A COMPOSITION INTO AT LEAST ONE CELL."  
 APPLICANT : GENETRONICS, INC., a California corporation of 11199-A Sorrento Valley Road, San Diego, California 92121-1334, United States of America.  
 INVENTOR(S) : SUKHENDU B. DEV - U.S.A.,  
 NAGENDU B. DEV - U.S.A. &  
 GUNTER A. HOFMANN - U.S.A.

APPLICATION FOR PATENT No. 1723/DEL/97 filed on 24.06.97.

Convention application No. 08/668,725/USA./24.06.96.

Appropriate office for opposition proceedings ( Rule 4, Patents Rules 2003) Patent office Branch, New Delhi-110005.

( 10 CLAIMS ) )

An apparatus for introducing a therapeutic composition as herein described into at least one cell in a vessel in a subject comprising:

- a catheter having at least one inflatable balloon portion;
- at least one infusion passage connected to said catheter for introducing the composition into the subject;
- a first electrode connected and positioned adjacent to at least one infusion passage; and
- a second electrode connected to said inflatable balloon portion and positioned with respect to the first electrode and the subject such that an electric field sufficient to cause electroporation of at least one cell in the vessel is generated, which allows the said composition to enter at least one cell after introduction of the composition through at least one infusion passage.

( COMPLETE SPECIFICATION 37 PAGES  
 DRAWINGS SHEETS - 9 ).

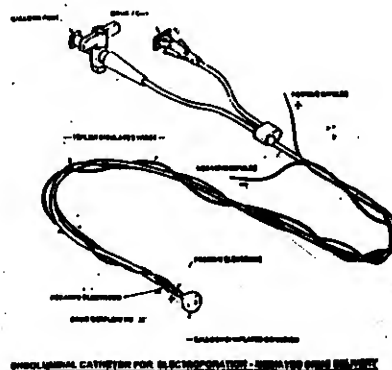


FIG. 1. A schematic diagram of a catheter for electroporation - inserted into a vessel.

Indian Classification : G01 N 031/22 191792

International Classification<sup>4</sup> : C 12 Q 001/54.

Title : "A BIO SENSOR STRIP DEVICE FOR MEASURING GLUCOSE OR DOPAMINE LEVELS IN BLOOD SAMPLES, AND A PROCESS FOR PREPARING THE SAME".

Applicant : DEPARTMENT OF SCIENCE & TECHNOLOGY, Government of India. Technology Bhavan, New Mehrauli Road, New Delhi-110 016.

Inventors : PREM CHANDRA PANDEY-INDIA.

Application for Patent Number 26/DEL/2000 filed on 18/01/2000

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

(08 Claims)

A biosensor sensor strip device for measuring glucose or dopamine levels in blood samples, said strip comprising a PVC substrate of desired dimension, having two conductive tracks of silver ink, the total printed area of the silver ink has 9 to 12 pairs of conducting tracks, a layers of silver-silver chloride ink located between the conducting tracks of silver ink, layers of graphite ink are placed on the top of silver tracks, layers of enzyme ink located on the graphite tracks and a mask covers both the metal and enzyme printed tracks.

(Complete Specification Pages 21 Drawing 04 Sheets)

Indian Classification : 55F, 32 C. 191793  
International Classification<sup>4</sup> : A 01 N 25/34.  
Title : **"A RODENT REPELLENT COMPOSITION AND A PROCESS FOR THE PREPARATION THEREOF".**  
Applicant : **SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH, 19, University Road, Delhi-110007.**  
Inventors : **MOHAMMAD QAMAR PARWEZ  
MOZAFFAR ALAM KHAN  
SHIVANI SINGH-ALL INDIAN.**

Application for Patent Number 861/DEL/2000 filed on 25/09/2000

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office  
Delhi Branch, New Delhi – 110 008.

(03 Claims)

A process for the preparation of a rodent repellent composition comprising taking low density polyethylene in a mixer at a temperature of 110-160°C, adding ethylene vinyl acetate in amount of 5-50% by weight of low density polyethylene, mixing homogeneously and then adding a rodent repellent in amount of 0.25-10% by weight of low density polyethylene into said mixture, subjecting the mixture thus obtained to the further step of mixing for a period of 5-10 minutes, maintaining the temperature between 110-160°C, shredding the mixture at room temperature to obtain composition of the present invention.

(Complete Specification Pages 07 Drawing NIL Sheet)

Indian Classification:

32 C 7.11

191794

International Classification<sup>7</sup>

C12N 11/02; C12N 11/10

Title

IMPROVED PROCESS FOR THE PREPARATION OF STABLE IMMOBILIZED BIOCATALYST.

Applicant

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).

Inventors

SANTHOOR GURURAJA BHAT - INDIAN  
NAGAJYOTHI - INDIAN  
RAJENDRA UPADHYA - INDIAN  
SHAILASREE SHEKAR - INDIAN  
RUDRAPATNAM NARAYANASWAMY THARANATHAN - INDIAN  
FAROOQ SARDAR KITTUR - INDIAN.Application for Patent Number 533/Del/2000 filed on 25<sup>th</sup> May 2000.Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Branch, New Delhi - 110 008.

## ( 5 Claims )

An improved process for the preparation of stable immobilized biocatalyst which comprises, a) preparing 0.5-5.0% chitosan solution in acetic acid, b) suspending biocatalyst of the kind as herein described in potassium phosphate buffer solution at a range 0.01M to 0.05M, c) adding the obtained biocatalyst suspension in the chitosan solution as obtained in step (a), d) preparing membrane from chitosan-biocatalyst suspension of step (c) by conventional spreading and drying such as herein described to get desired stable immobilized biocatalyst, the said process characterized in using acetic acid and potassium buffer solution for preparation of chitosan solution and biocatalyst suspension respectively.

(Complete Specification 11 Pages Drawings Nil Sheet)

Indian Classification	: 32 C	191795
International Classification <sup>7</sup>	: A23D 9/00; C12P 7/64	
Title	: "A METHOD FOR PRODUCING POLYUNSATURATED FATTY ACIDS USING THRAUSTOCHYTRID FUNGI."	
Applicant	: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).	
Inventors	: SESHAGIRI RAGHU KUMAR - INDIAN DORAIRAJASINGAM CHANDRAMOHAN - INDIAN EHRlich DESA - INDIAN	

Application for Patent Number 375/Del/2000 filed on 31<sup>st</sup> March 2000.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Branch, New Delhi - 110 008.

( 3 Claims )

A method for producing polyunsaturated fatty acids using thraustochytrid fungi which comprises, growing thraustochytrid fungi *Ulkenia radiata* having characteristics as herein described in conventional culture media such as herein described, supplemented with polyvinyl pyrrolidone for 2 to 5 days at a temperature ranging from 25 to 30°C, harvesting the cells of said fungus by centrifugation and extracting the desired polyunsaturated fatty acids preferably decosahexaenoic acid (DHA) and eicosapentaenoic acids (EPA) by conventional manner as herein described.

(Complete Specification 11 Pages Drawings 2, Sheet)

Indian Classification	11 C	191796
International Classification <sup>7</sup>	A01K 67/04	
Title	"A PROCESS FOR PREPARING EXTRACT OF SILENE VULGARIS USED FOR ENHANCING SILK YIELD."	
Applicant	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).	
Inventors	SURINDER KUMAR CHOWDHARY - INDIAN SURENDRA DUTTA SHARMA - INDIAN SATINDER MOHAN JAIN - INDIAN ABRAR AHAMAD - INDIAN LALIT KUMAR BHAN - INDIAN	

Application for Patent Number 86/Del/2000 filed on 3<sup>rd</sup> Feb. 2000.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Branch, New Delhi - 110 008.

( 5 Claims )

A process for preparing extract of *Silene vulgaris* used for enhancing silk yield which comprises drying whole plant of *Silene vulgaris* in shade, powdering shade dried whole plant by conventional manner, sieving through 40 mesh, extracting with polar solvent, preferable with mixture of methanol and water (1:1), evaporating the solvent extract to get a dark green residue having silk enhancing property.

(Complete Specification 10 Pages Drawings Nil Sheet)

Indian Classification : 55 E4 191797

International Classification<sup>7</sup> : C12P 7/22; C07C 50/12

Title : "AN IMPROVED PROCESS FOR THE PRODUCTION OF PLUMBAGIN FROM PLUMBAGO SP."

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).

Inventors : MADAN MOHAN GUPTA - INDIAN  
RAM KISHOR VERMA - INDIAN  
SHAIFALI SRIVASTAVA - INDIAN  
SUSHIL KUMAR - INDIAN

Application for Patent Number 378/Del/2000 filed on 31<sup>st</sup> March 2000.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Branch, New Delhi - 110 008.

### ( 3 Claims )

An improved process for the production of plumbagin from Plumbago sp characterized in sequential use of non-polar solvents as described herein for eluting the silica-gel:hexane column and getting the product plumbagin from 7% ethyl-acetate:hexane fraction, the said process comprises extracting powdered root of Plumbago sp with organic solvent preferably acetone for a period in the range of 10-20 hours in cold, concentrating the extract by conventional manner at a temperature ranging 40-60°C and pressure ranging 50-70 cm Hg, subjecting the obtained extract in silica gel:hexane(1:12) column, eluting the column by non-polar solvent comprising a group selected sequentially from hexane, 5% ethyl acetate-hexane and 7% ethyl acetate-hexane, getting pure plumbagin from 7% ethyl acetate:hexane eluant fraction by conventional crystallization method.

(Complete Specification 13 Pages Drawings Nil Sheet)

Indian Classification : 55E4 191798

International Classification : A 61 K 31/00; C12 P 35/00; C 12P 37/00.

Title : "AN IMPROVED PROCESS FOR THE PREPARATION OF CRYSTALLINE N-FORMIMIDOYL THIENAMYCIN MONOHYDRATE (IMIPENEM MONOHYDRATE)".

Applicant : RANBAXY LABORATORIES LIMITED, a Company incorporated under the Companies Act, 1956 of 19, Nehru Place, New Delhi-110019, INDIA.

Inventors : YATENDRA KUMAR  
NEERA TEWARI  
RAM CHANDER ARYAN  
DISHWA PRAKASH RAI  
SEEMA AHUJA-ALL INDIAN.

Application for Patent Number 983/DEL/2000 filed on 03/11/2000.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi - 110 008.

### (11 Claims)

A process for the preparation of crystalline N-formimidoyl thienamycin monohydrate (Imipenem) of Formula I, as shown in the accompanying drawings, which comprises:

- activating a keto ester compound of Formula II, as shown in the accompanying drawings, wherein p is hydrogen or a protecting group, by conventional methods with a secondary amine of the kind, as herein described in a suitable N-substituted lactam or N, N-disubstituted amide as a solvent optionally in combination with an inert organic solvent to obtain activated keto ester of Formula III, as shown in the accompanying drawings, wherein R is  $\text{OP}(\text{OR})_2$  or  $\text{OS}(\text{O})_2\text{R}$ , wherein R is  $\text{C}_{1-4}$  alkyl,  $\text{C}_{1-4}$  alkenyl, aryl or perfluoro  $\text{C}_{1-4}$  alkyl; the term alkyl refers to straight or branched chain and when of saturated chain may be cyclic, preferred straight or branched alkyl groups include methyl, ethyl, propyl, isopropyl, butyl and t-butyl, preferred cycloalkyl groups include cyclopropyl, cyclopentyl, cyclohexyl and cyclopropyl methyl; the term aryl refers to aromatic rings including phenyl, substituted phenyl and naphthyl, aryl groups may be substituted with one to three substituents independently selected from halogen, alkyl and halogenated lower alkyl group, wherein alkyl has the same meaning as defined above,
- reacting the activated keto ester of Formula III, as shown in the accompanying drawings, in situ with 2-aminobenzimidazole (system III) or its salt in the presence of a secondary amine in a N-substituted lactam or N, N-disubstituted amide as a solvent to get thienamycin ester of Formula IV, as shown in the accompanying drawings, wherein p has the same meaning as defined above,
- reacting thienamycin ester of Formula IV, in situ with benzyl formimidate hydrochloride ( $\text{C}_6\text{H}_5\text{CH}_2\text{NHC(=O)NH}_2\text{H}^+\text{Cl}^-$ ) in the presence of a secondary amine in a N-substituted lactam or N, N-disubstituted amide to get amine carbonate ester (blocked N-formimidoyl thienamycin) of Formula V, as shown in the accompanying drawings, wherein p has the same meaning as defined above,
- hydrogenating the blocked N-formimidoyl thienamycin of Formula V, by conventional methods to yield N-formimidoyl thienamycin (Imipenem) in a solution and subjecting the solution containing the reaction mixture to dianion chromatography followed by crystallization in the presence of an alcohol or a ketone cosolvent to yield highly pure crystalline N-formimidoyl monohydrate (Imipenem monohydrate) of Formula I, as shown in the accompanying drawings.

Indian Classification	: 55E4	191799
International Classification <sup>4</sup>	: A 61 K 35/78	
Title	: "A PROCESS TO PREPARE A HERBAL PREPARATION (PHYTOMEDICINE) FOR CANCER FROM JANAKIA ARAYALPATHRA ROOT".	
Applicant	: THE DEPARTMENT OF SCIENCE AND TECHNOLOGY, Technology Bhavan, New Mehraule Road, New Delhi-110016, <u>INDIA</u> .	
Inventors	: PALPU PUSHPANGADAN SREEDARAN NAIR RAJASEKHARAN APPIAN SUBRAMONIAM VARGHESE GEORGE GOPALAKRISHNAN LATHA VELIKKAKAPHU VASUMATHY ASHA- ALL INDIAN.	

Application for Patent Number 949/DEL/2000 filed on 20/10/2000

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office  
Delhi Branch, New Delhi – 110 008.

(07 Claims)

A process to prepare a herbal preparation (phytomedicine) for treatment cancer containing methanol extract of Janakia arayalpathra (mature pink root), comprising the following steps:

Step I: The mature pink roots of this species are collected, cleaned, cut into small pieces and air dried at room temperature.

Step II: The dried root pieces are powdered in a Mixer at medium speed.

Step III: The powdered root material of Step II is mixed thoroughly with fresh methanol for 8 hours and the filtrate is collected by filtration through a filter paper.

Step IV: The residue obtained from Step III is again mixed thoroughly with fresh methanol for 4 hours and the filtrate is collected as in Step III

Step V: The filtrates collected in Steps III and IV are combined and evaporated to dryness in a temperature range of 40 C –45 C

Step VI: The extract obtained in Step V is suspended in 5% Tween 80 to get the desired final product.

(Complete Specification Pages 12 Drawing 07 Sheets)

Indian Classification : 32C. 191800

International Classification<sup>4</sup> : C 07D 401/00.

Title : "A PROCESS FOR PREPARATION OF FLUOROACETAMIDE".

Applicant : THE ADVISER, DEFENCE RESEARCH & DEVELOPMENT ORGANISATION, Ministry of Defence, Government of India, B-148, Sena Bhawan, DHQ P.O. New Delhi-1100011.

Inventors : KARUNA SHANKAR PANDEY  
RAMESH CHANDRA MALHOTRA  
RAMAMOORTHY VAIDYANATHASWAMY  
SHRI PRAKASH-ALL INDIAN.

Application for Patent Number 878/DEL/2000 filed on 29/09/2000

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

(02. Claims)

A process for preparation of fluoroacetamide comprising:

- (a) condensing 0.75 to 1.25 mole of methyl chloroacetate by passing dry ammonia gas at temperature of 2-4°C, forming crystalline 2-chloroacetamide;
- (b) mixing 2-chloroacetamide obtained by step (a), anhydrous potassium fluoride and dried xylene, in the ratio of 1: (2-2.5) :3;
- (c) subjecting the mixture prepared by step (b) to heating at 120 to 140°C for 15-20 minutes with stirring;
- (d) decanting hot xylene from the hot mixture obtained by step(c), washing the residue with fresh xylene and cooling it to room temperature;
- (e) extracting the solid material obtained by step (d) with acetone as herein described and subjecting the acetone extract thus obtained to distillation;
- (f) cooling the distillate, which solidifies on cooling and is the product of the present invention.

(Complete Specification Pages 10 Drawing NIL Sheet)

191801

Indian Classification :- 120 A

International Classification<sup>4</sup> :- G01 F 11/26; B67D 5/06

Title :- "An apparatus for transporting particulate material against a fluid pressure."

Applicant :- Stamet, Inc., a corporation organised under the laws of the State of California, United States of America, of 17244 South Main Street, Gardena, California 90248, United States of America.

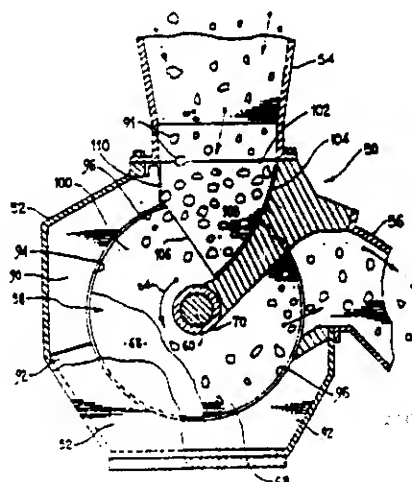
Inventors :- ANDREW GEORGE HAY -U.S.A.

Application for Patent Number 201/Del/1995 filed on

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 39 )

An apparatus for transporting particulate material against a fluid pressure and having a housing provided with a transport channel, an inlet for receiving particulate material into the transport channel and an outlet for expelling particulate material from the transport channel, characterized in that the apparatus comprises: a moveable structure within the housing and having at least one moveable surface located along the transport channel to contact particulate material in the transport channel and operable to move from said inlet towards said outlet to convey particulate material toward the outlet; and an outlet duct located adjacent the outlet and having a receptacle for holding, during the operation of the apparatus, a mass of the particulate material being transferred by the apparatus, so as to form a moving dynamic plug for inhibiting fluid from entering the primary transport channel from the outlet duct.



Indian Classification :- 206 E 191802

International Classification<sup>7</sup> :- H04B 13/00

Title :- "An Acknowledge-back Selective Call Communication Apparatus"

Applicant :- Motorola, Inc., of 1303 East Algonquin Road, Schaumburg, Illinois 60196, United States of America.

Inventors :- DIMITRIOS NIKAS -U.S.  
ZAFFER STEPHEN MERCHANT -U.S.

Application for Patent Number 882/del/1995 filed on 15/05/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office  
New Delhi Branch - 110 008.

(Claims 8)

An acknowledge-back selective call communication apparatus that performs message transmission control, the apparatus comprising: an infrastructure (102) that transmits a plurality of messages having a length that is variable; and a selective call receiver (120) coupled to the infrastructure for receiving and storing selected ones of the plurality of messages, wherein the said infrastructure comprises: a controller (110) for controlling the infrastructure (102) to process a pending message originated by a source, the controller comprising an input element (208) coupled to the source for receiving the pending message; and a message transmitter (106) coupled to the controller for transmitting information to the selective call receiver, the information comprising the length of the pending message, and wherein the said selective call receiver (120) comprises: a message receiver (122) coupled to the message transmitter for receiving the information and the selected ones of the plurality of messages; a memory (322) coupled to the message receiver for storing the selected ones of the plurality of messages; a processor (308) coupled to the memory for controlling the selective call receiver; a selective call address element (328) coupled to the processor for selecting messages and information intended for the selective call receiver; a determination element (330) coupled to the processor for determining from the information, a response based upon the length of the pending message and memory space available in the memory for storing the pending message; and an acknowledge transmitter (124) coupled to the determination element for transmitting the response to the infrastructure, and wherein the infrastructure comprises an acknowledge receiver (108) coupled to the acknowledge transmitter for receiving the response, and wherein the said controller comprises a processing element (222) coupled to the acknowledge receiver for controlling further processing of the pending message by the infrastructure in accordance with the response received.

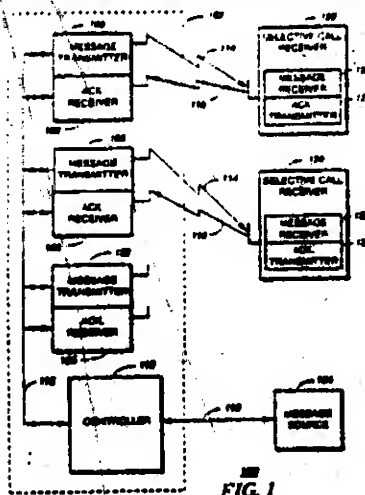


FIG. 1

Indian Classification :- 129 J 191803

International Classification<sup>4</sup> :- B21C 47/14

Title :- "A Laying Head for a Rolling Mill "

Applicant :- Morgan Construction Company, a corporation organised and existing under the laws of the State of Massachusetts, United States of America, of 15 Belmont Street, Worcester, Massachusetts 01605, United States of America.

Inventors :- TERENCE MICHAEL SHORE -U.S.A.  
HAROLD ERNEST WOODROW -U.S.A.

Application for Patent Number 574/Del/1995 filed on 23/03/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 03 )

A laying head for a rolling mill for receiving a single strand product in the form of a rod or the like moving axially and for forming said product into a continuous series of rings, said laying head comprising: a quill (14) having a longitudinal axis (x); first and second bearing assemblies (16, 18) for supporting said quill (14) for rotation about said axis (x), said first and second bearing assemblies (16, 18) being located respectively in first and second mutually spaced reference planes ( $P_1, P_2$ ) perpendicular to said axis; a gear drive (20, 22) for rotating said quill (14) about said axis (x); and a laying pipe (24) carried by said quill (14) for rotation therewith about said axis (x), said laying pipe (24) having an entry section (24a) lying on said axis (x) between said first and second bearing assemblies (16, 18) and into which said product is directed, and having a curved intermediate section (24b) leading from said entry section (24a) across said second reference plane ( $P_2$ ) to terminate at a delivery end from which said product emerges as said continuous series of rings, said delivery end being spaced radially from said axis (x) to form a circular path of travel, characterized in that said delivery end is spaced from said second plane ( $P_2$ ) by an overhang distance (A) which is less than the diameter of said circular path of travel, said second bearing assembly having a DmN number above 1,000,000.

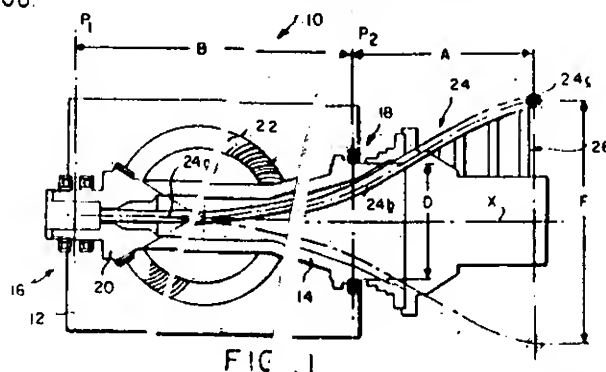


FIG. 1

Indian Classification	: 170 D	191804
International Classification <sup>7</sup>	: A61K 7/15	
Title	"A SHAVING COMPOSITION IN THE FORM OF A SELF-FOAMING GEL."	
Applicant	THE GILLETTE COMPANY, a corporation organized under the laws of the State of Delaware, United States of America, of Prudential Tower Building, Boston, State of Massachusetts, United States of America.	
Inventors	ROBERT CHARLES GEORGE - U.S. ANDREW MARIA LASOTA-BRITISH	

Application for Patent Number 1727/Del/ 95 filed on 20<sup>th</sup> Sept. 95.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Branch, New Delhi - 110 008.

( 17 Claims )

A shaving composition in the form of a self-foaming gel comprising, in percent by weight, 65 to 85% water, 4 to 16% N-acyl sarcosine wherein the acyl group has 10 to 20 carbon atoms, 1 to 6% of organic amine base of the kind such as herein described to solubilize the N-acyl sarcosine and provide a pH of 4 to 8, 1 to 8% self-foaming agent selected from the group comprising any volatile hydrocarbon or halogenated hydrocarbon, 1 to 10% non-volatile paraffinic hydrocarbon fluid of the kind such as herein described, and balance being optional conventional adjunct materials of the kind such as herein described said composition being substantially free of soap.

(Complete Specification 17 Pages ; Drawings Nil Sheets)

Indian Classification : 206 E 191805

International Classification : B 66D 1/50

Title : "A MULTI-MODE OPERABLE MOBILE CONTROLLER DEVICE"

Applicant : THE CHIEF CONTROLLER, DEFENCE RESEARCH & DEVELOPMENT ORGANISATION, B-341 SENA BHAWAN, DHQ P.O. NEW DELHI - 11, INDIA.

Inventors : SIDDALINGAPPA GURUPRASAD, DORE RANGANATH SRINIVASA RADHURAMAN, MULLANGI SRINIVAS, NARESH KUMAR, SHOBHA ARALIKATTI, GANDANA GANDHI, SATISH KUMAR CHATRVEDI AND GURA PRASAD - ALL INDIAN.

Application for Patent Number 236/DEL/95 filed on 14.02.95.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi - 110 008.

(3 Claims)

A multi-mode operable mobile controller device to remotely monitor and control the operations of a bridging system, in particular a single-span or a multi-span redeployable bridge system, the system comprising a vehicle, a launching device, a plurality of actuators of bridge support, telescoping legs, a pier and a pump, said controller device comprising a microprocessor-based main controller (3) disposed in a auxiliary cabin receiving power from a vehicle battery (1) through a function box (2) provided with safety interlocks containing data on operational parameters, said main controller (3) receiving signals from a plurality of sensors each interposed on said vehicle (4), on said bridge support (5), on said pier (5), the movement of said actuators being controlled by said main controller (3) by outputting command signals via plurality of proportional control valves (7,8,9,10,11,12,13), said main controller (3) consistently transmitting command signals to said actuators via a plurality of directional control valves (14 to 25) thereby commencing a synchronized operation of said launching device and said telescopic legs, wherein further solenoid valves (26, 27) are provided for unloading said pump when not used and sensing load pressure when operative.

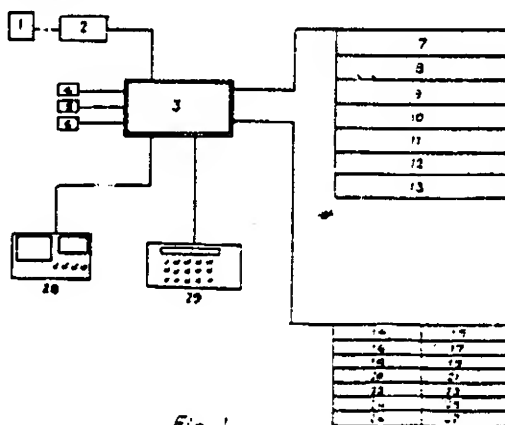


Fig. 1

Indian Classification	: 32 F 3(a)	191806
International Classification <sup>7</sup>	: C07C 027/20; C07C 045/49; C07C 047/17	
Title	: "A PROCESS FOR PREPARING 1,3-ALKANEDIOLS."	
Applicant	: SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. of Carel van Bylandtlaan 30, 2596 HR The Hague, the Netherlands, a company organized under the laws of the Netherlands, a research company.	
Inventors	: JOSEPH BROUN POWELL LYNN HENRY SLAUGH THOMAS CLAYTON FORSCHNER JIANG JEN LIN TERRY BLANE THOMASON PAUL RICHARD WEIDER THOMAS CARL SEMPLE JUAN PEDRO ARHANCET HOWARD LAM HO FONG STEPHEN BALKE MULLIN KEVIN DALE ALLEN DAVID CLEVE EUBANDS DAVID WILLIAM JOHNSON – ALL ARE U.S.	

Application for Patent Number 1731/Del/95 filed on 20<sup>th</sup> Sep. 1995.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Branch, New Delhi – 110 008.

**( 19 Claims )**

A process for preparing 1,3-alkanediols by hydroformylating in a known manner an oxirane of the kind such as herein described with carbon monoxide and hydrogen in a molar ratio within the range of 1:2 to 8:1 in the presence of 0.01 to 1.0 wt % of one or more Group VIII metal-based hydroformylation catalysts, with or without phosphine modified, of the kind such as herein described and in the presence of an organic solvent of the kind such as herein described and optional lipophilic promoter, wherein the concentration of the oxirane at the start of the reaction is less than 15 percent by weight (wt%) based on the weight of the total liquid reaction mixture and optionally separating the said hydroformylation product in a known manner.

(Complete Specification 27 Pages Drawings 1 Sheets)

Indian Classification	39 III	191807
International Classification <sup>7</sup>	C01B 31/36	
Title	"AN IMPROVED PROCESS FOR THE PREPARATION OF BETA-SILICON CARBIDE WHISKERS USEFUL FOR MAKING METAL/CERAMIC/GLASS MATRIX COMPOSITES."	
Applicant	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).	
Inventors	CHAMARTHY BUTCHI RAJU - INDIAN SHISHIR VERMA - INDIAN	

Application for Patent Number 1364/Del/95 filed on 20<sup>th</sup> July, 1995.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Branch, New Delhi - 110 008.

**( 4 Claims )**

An improved process for the preparation beta silicon carbide whiskers useful for making metal/ceramic/glass matrix composites which comprises palletizing the charred rice hulls by conventional methods such as herein described, heating the pellets to a temperature in the range of 1000-1500°C in vacuum followed by an inert atmosphere for a period ranging from 1 hour to 10 hours to obtain beta-SiC whiskers.

(Complete Specification 11 Pages Drawings Nil Sheet)

Indian Classification	:-	160 D	191808
International Classification <sup>4</sup>	:-	B60 C 1/00	
Title	:-	"A Machine for Manufacturing Rubber Tyres."	
Applicant	:-	Sedepro, of 230, rue Lecourbe, 75015 Paris, France, a French Company.	
Inventors	:-	DANIEL - LAURENT -FRANCE.	
Application for Patent Number	127/Del/1995	filed on	30/01/1995

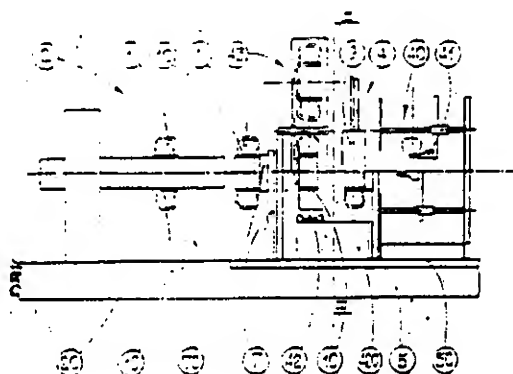
Appropriate office for opposition proceedings (Rule 4, Patents Rules 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 18 )

A machine for manufacturing rubber tyres comprising at least one support which, in the configuration used for assembly, forms a surface of revolution having a continuous shape, corresponding to the final shape of manufacture of the tyre, said support being used as a reference surface for the manufacture of said tyres from the start of the assembly up to the vulcanisation, characterised by said machine comprising a single frame (5) having the following features provided adjacent each other thereon:

- a tyre assembly station (2) comprising means for grasping and holding the support and mould means for shaping the raw tyre by being deposited on the said different components in the order and at the place required by the architecture of the tyre,
- a vulcanisation station (3),

- means for transporting the support between the different stations travelling on said frame.



Complete Specification

No of  
Pages

29

Drawings  
Sheets

4

Indian Classification

24 F. 134 A

191809

International Classification<sup>7</sup>

B 60 T 13/573, B 60 T 13/575, F 15 B 9/10, F 16 D 65/14.

Title

" PNEUMATIC BRAKE BOOSTER "

Applicant

Alliedsignal Europe Services Techniques, a french company  
126 Rue De Stalingrad 93700 Drancy - FRANCE.

Inventors

JEAN PIERRE GAUTIER - FRANCE  
ULYSSE VERBO - FRANCE  
MIGUEL PEREZ REVILLA - FRANCE

Application for Patent Number

1435/del/1995 filed on 01/08/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office,  
New Delhi Branch - 110 008.

( Claims 05 )

Pneumatic brake booster comprising a casing (10) having an axis of symmetry (X-X') divided in leaktight fashion by a movable wall structure (12) into a front chamber (14) permanently connected to a source of low pressure, and a rear chamber (16) connected selectively to the front chamber (14) or to a source of high pressure by a three-way valve means (36) actuated by a control rod (30) capable of pressing, via the front face of a plunger (28), on the rear face of a push rod (56) secured to a reaction disc (58), the plunger sliding in a bore (26) of the movable wall (12), the three-way valve (36) including a valve element (36) located in a tubular rear part (22) of the movable wall (12) and interacting via an annular front face (40) with a first annular valve seat (28a) formed on the plunger (28) and with a second annular valve seat (20a) formed on the movable wall (12), the first valve seat (28a) being concentric with the second valve seat (20a) and of smaller diameter, the annular front face (40) of the valve element (36) being able to move in the tubular rear part (22) of the movable wall (12) and being sealed in the latter via its outer edge and via its inner edge, characterized in that the annular front face (40) of the valve (36) includes at least one opening (46) causing a chamber (44) situated behind the annular front face (40) of the valve (36) to communicate with a space (35) situated between the first valve seat (28a) and second valve seat (20a), and in that the plunger (28) slides in a leaktight fashion inside the bore (26) of the movable wall (12) by virtue of a seal (50) which within the bore (26) of the movable wall (12) delimits a volume (52) in which the front face of the plunger (28) moves, the pressure prevailing in the volume (52) exerting on the plunger (28) a force such that the resultant of the forces generated by the low pressure and by the high pressure exerted on the plunger (28) is permanently zero or negligible

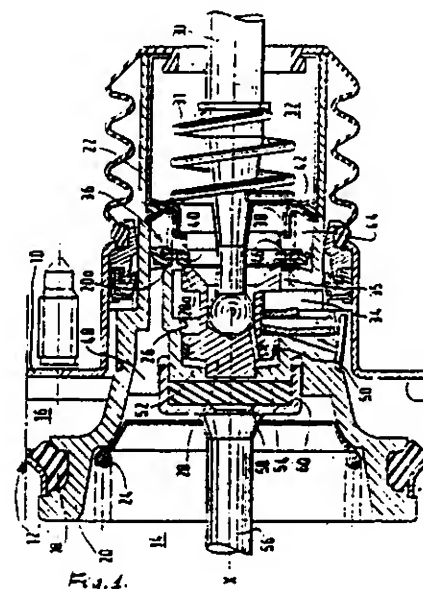


Fig. 1.

Indian Classification	:-	128 A	191810
International Classification <sup>7</sup>	:-	A 61F 13/15	
Title	:-	"An Absorbent Core for a Sanitary Napkin"	
Applicant	:-	The Procter & Gamble Co. of One Procter & Gamble Plaza, Cincinnati, Ohio 45202, U.S.A.	
Inventors	:-	EMENAKAR RALPH ROBERT - US AMOS JR. CHARLES WILLIAM - US	
Application for Patent Number	1343/del/1994	filed on	25/10/1994

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office,  
New Delhi Branch - 110 008.

(Claims 5)

An absorbent core (28) for a sanitary napkin (28), said core (28) having a longitudinal centerline (O-O) and lateral centerline (A-A) orthogonal thereto, said core comprising three longitudinally oriented trisections, a central trisection (31) having a first thickness and being laterally flanked on each side by an outboard trisection (30), each outboard trisection having a second thickness, wherein that said first thickness of said central trisection (31) is less than said second thickness of said outboard trisections (30); and absorbent gelling material (42) disposed in and interior to each of said outboard trisections (30), said central trisection being substantially free of said absorbent gelling material (42), wherein said core, when subjected to lateral pressure from the wearer will buckle at said central trisection (31).

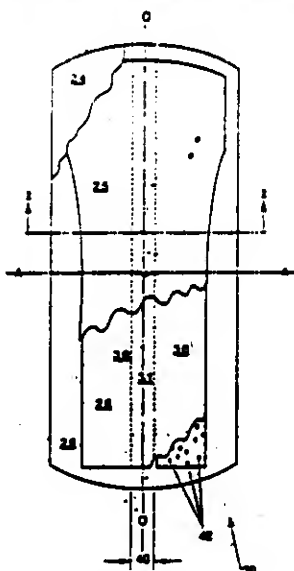


Fig. 1

Complete Specification

No of Pages

20

Drawings Sheets

2

Indian Classification	:	32C.	191811
International Classification <sup>4</sup>	:	A 61 K-006/00 + 007/00; A 01N-025/00.	
Title	:	<b>"A PROCESS FOR PREPARING AN ORAL SYNERGISTIC LIPOSOME-CONTAINING BERBERINE COMPOSITION".</b>	
Applicant	:	<b>NATIONAL INSTITUTE OF IMMUNOLOGY,</b> an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860), Aruna Asaf Ali Road, New Delhi-110 067, <b>INDIA.</b>	
Inventors	:	<b>SHAKTI NATH UPADHYAY</b> <b>D.N.K. SARMA</b> <b>NALINI WALI</b> <b>N.K. SARASWATHI-ALL INDIAN.</b>	

Divided out of Patent application No. 294/Del/1996 filed on 14/2/96

Application for Patent Number 937/Del/1999 filed on 30/06/1999

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office  
Delhi Branch, New Delhi - 110 008.

(04 Claims)

A process for preparing an oral synergistic liposome-containing berberine composition, said process comprising steps of:

- preparing lipid vesicles of liposome in a manner such as herein described,
- suspending the lipid vesicles thus obtained in about 30 mM HCl in Tris isotonic environment in the presence of valinomycin of concentration ranging between 10-20 mM.
- adding 10-90% by weight of berberine in the suspension and allowing such suspension to stand at room temperature for upto 24 hours, and
- dialyzing, the suspension of step (c) against Tris-HCl buffer of concentration of about 20mM, pH of about 7.2 for minimum of about 12 hours at about 4° C to obtain said oral composition.

(Complete Specification Pages 24 Drawing 10 Sheets)

Indian Classification : 55 E4, 32F<sub>3</sub>C 191812

International Classification<sup>7</sup> : C12P 017/00

Title : "A PROCESS FOR THE PRODUCTION OF CIS-6-PHENYL-5-[4-(2-PYRROLIDIN-1-YL-ETHOXY)-PHENYL]-5,6,7,8-TETRAHYDRONAPHTHALENE-2-OL."

Applicant : PFIZER PRODUCTS INC., a corporation organized under the laws of the state of Connecticut, United States of America; of Eastern Point Road, Groton, Connecticut 06340, United States of America.

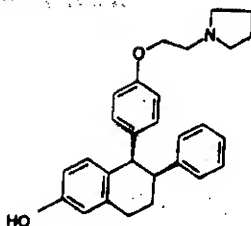
Inventors : SUSAN JANE TRUESDELL - U.S.

Application for Patent Number 1154/Del/ 99 filed on 26<sup>th</sup> Aug. 99.  
Convention date 28.8.1998/ 60/098,255/ U.S.A

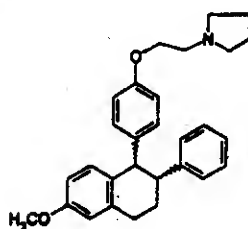
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Branch, New Delhi - 110 008.

( 2 Claims )

A process for the production of cis-6-phenyl-5-[4-(2-pyrrolidin-1-yl-ethoxy)-phenyl]-5,6,7,8-tetrahydronaphthalene-2-ol of the formula I:



from a compound of the formula :



comprising selectively demethylating a compound of formula II in the presence of an enzyme derived from a culture of a microorganism *Monosporium olivaceum* ATCC 36300 and the process is carried out in known manner.

(Complete Specification 11 Pages ; Drawings 2 Sheets)

Indian Classification : 68 C 191813

International Classification : B 60M 1/00, 3/00

Title : "AN IMPROVED POWER SUPPLY APPARATUS FOR AN ELECTRIC MOTOR VEHICLE"

Applicant : HONDA GIKEN KOGYO KABUSHIKI KAISHA, a corporation of Japan, of 1-1 Minamiaoyama 2- chome, Minato-ku, Tokyo, Japan.

Inventors : YOSHIHIRO NAKAZAWA, KENJI TAMAKI, MASAYUKI TORIYAMA AND KENJI KAWAGUCHI – ALL JAPANESE CITIZENS.

Application for Patent Number 1106/DEL/94 filed on 31.8.94.

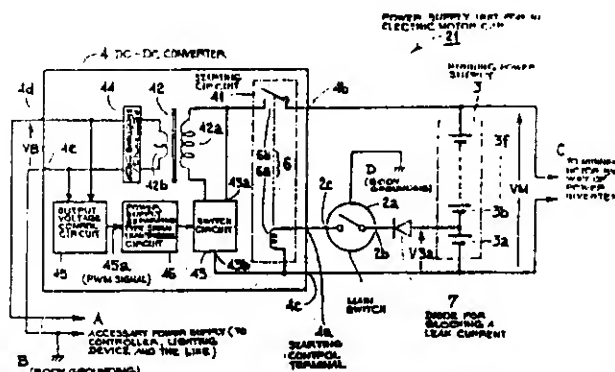
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi – 110 008.

(13 Claims)

An improved power supply apparatus for an electric motor vehicle comprising:

- power supply means (3) for supplying a first power supply voltage (VM) to drive an electric motor (70M) of the vehicle, said power supply means (3) being isolated from a grounded body of the vehicle;
- converter means (4), operatively coupled to said power supply means (3), for converting said first power supply voltage (VM) into a second power supply voltage (VB);
- a switch (2a), operatively coupled to said power supply means (3) and said converter (4) means, for energizing said converter means (4) to convert said first power supply voltage (VM) into said second power supply voltage (VM), said switch (2a) being mounted on the grounded body of the vehicle; and
- blocking means (7), operatively coupled in series between said switch (2a) and said power supply means (3), for preventing flow of a leakage current from said power supply means (3) to said Switch (2a) through the grounded body of the vehicle.

FIG. 1



( Complete Specification Pages – 62 Drawing sheets – 33)

Indian Classification :- 64 A, 69F, G. 191814

International Classification<sup>4</sup> :- H01R 1/00

Title :- "A Cordless Electrical Liquid water Heating Appliance "

Applicant :- Strix Limited, an Isle of Man company, of Forrest House  
Ronaldsway, Isle of Man IM9 2RG.

Inventors :- JOHN CRAWSHAW TAYLOR -U.K.

Application for Patent Number 1149/Del/1994 filed on 16/09/1994

Convention Date 16.09.93/UK/9319159.1

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent  
Office, New Delhi Branch - 110 008.

( Claims 13 )

A cordless electrical liquid water heating appliance comprising cordless electrical power connector, the connector comprising: a male connector part including a first terminal, a second terminal arranged outwardly of the first terminal, and a third terminal arranged outwardly of the second terminal; and a female connector part capable of receiving the male connector part and including terminals for engaging with the corresponding terminals of the male connector, thereby forming respective radially innermost, radially intermediate, and radially outermost terminal pairs, the radially outermost terminal pair comprising: an annular terminal with an inwardly facing contact surface provided on one of the connector parts; and a resilient electrical terminal projecting through an outwardly facing circumferential surface of the other connector part for engagement with the annular terminal when the two connector parts are assembled together, wherein the male and female connector are configured so as to be capable of engagement in any relative rotation orientation.

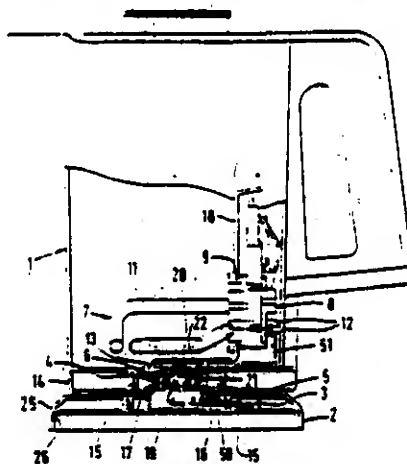


FIG. 1.

Complete Specification

No of  
Pages

23

Drawings  
Sheets

Indian Classification	:-	33 F	191815
International Classification <sup>4</sup>	:-	B22D 7/06	
Title	:-	"An Improved Bottom Plate of Ingot Mould Having a Centrally Located Groove Part and a Prefabricated Refractory Insert for Fitting Therein."	
Applicant	:-	Steel Authority of India Limited., Research & Development Centre for Iron & Steel. A Govt. of India Enterprise having its registered office at Ispat Bhawan, Lodi Road, New Delhi-110003.	
Inventors	:-	RAJIV KUMAR AHUJA -INDIA, PURIMETLA - CHINTAIAH -INDIA, SWAPAN KUMAR GARAI -INDIA, TAPAS KUMAR PAL -INDIA, AJOY KUMAR DASGUPTA -INDIA, NIRMAL KANTI GHOSH -INDIA.	

Application for Patent Number 103/Del/1996 filed on 17/01/1996

Appropriate office for opposition proceedings (Rule 4, Patents Rules 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 10 )

An improved bottom plate of ingot mould having a centrally located groove part and a prefabricated refractory insert for fitting therein, suitable for producing ingots/slabs/castings of relatively smooth surfaces, characterized in that the bottom plate comprises a groove part (2) in the corrosion/erosion prone area thereof and a three-piece prefabricated refractory insert (5, 6, 7), secured in the groove part by using a resin-bonded high-alumina mortar/castable at the adjoining peripheral regions of the said groove part and three-piece insert.

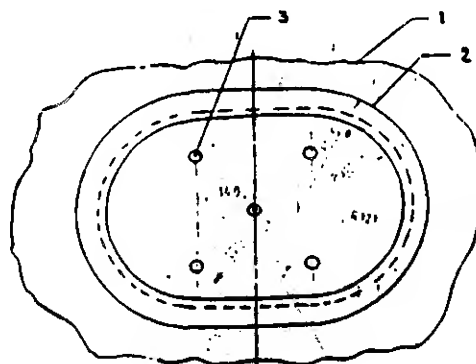


Fig. 1

Indian Classification : 128 G 191816

International Classification<sup>4</sup> : A 61 M-1/34

Title : "AFFINITY MEMBRANE DEVICE".

Applicant : BAXTER INTERNATIONAL INC., One Baxter Parkway, Deerfield, Illinois 60015, USA.

Inventors : NORMA JEAN OFSTHUN-US  
PAUL JOSEPH SOLTYS-US  
GRETCHEN ADOINS KUNAS-US

Application for Patent Number 1538/DEL/1997 filed on 10/06/1997

Convention date: 20/06/1996; 08/668582; USA.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi - 110 008.

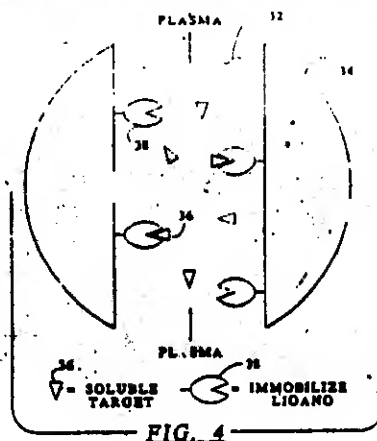
(13 Claims)

An affinity membrane device utilized for the selective removal of targeted molecules contained in plasma of blood comprising:

an elongated housing having an inlet port and an outlet port for entry and exit of blood therefrom;

hollow fibers made from material of the kind as herein described encased in the internal cavity of said housing, the hollow fibers having pores with pore size as herein described for separating blood into plasma and cellular components, the pores having ligands capable of holding enzymes which are immobilized to an internal surface of the pores and have an affinity for the targeted molecules in the plasma,

wherein the cellular components of the blood do not flow into the pores of the hollow fibres and the plasma is transported into the pores by means of positive and reverse filtration in the absence of an external pump for generating plasma flow across the hollow fibres.



(Complete Specification Pages 49 Drawing 02 Sheets)

Indian Classification	:	55 E <sub>4</sub> ; 32 F 26	191817
International Classification <sup>4</sup>	:	C07H-19/00; A 61 K -31/00.	
Title	:	<b>"A METHOD FOR THE ISOLATION OF A NUCLEOTIDE".</b>	
Applicant	:	<b>NATIONAL INSTITUTE OF IMMUNOLOGY,</b> an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860), Aruna Asaf Ali Marg, New Delhi-110 067, <b>INDIA.</b>	
Inventors	:	<b>KUMMARAPURUGU BALACHANDRA APPA RAO</b> <b>SATISH MAHADEO RAO TOTEY-BOTH INDIAN.</b>	

Application for Patent Number 2692/DEL/97 filed on 23/09/1997

Complete left after Provisional specification filed on 23/09/1998

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office  
Delhi Branch, New Delhi – 110 008.

(09 Claims)

A method for the isolation of a nucleotide molecule having 301 bp, and which is a mere chemical entity and having male specificity, said method comprising the step of:

- extracting nucleic acids from bovine tissue by a method such as hereindescribed,
- carrying out a polymerase chain reaction in a manner as hereindescribed on a reaction solution consisting of the nucleic acids obtained in step (a), BRY. 1 deoxynucleotide triphosphate, and Taq polymerase in a buffered solution as hereindescribed to obtain a polynucleotide specific to bovine-Y chromosome,
- subjecting the polynucleotide obtained to gelelectrophoretic analyses by a method known per se, staining the resulting gel, and isolating a nucleotide molecule having 301 bp from the gel in a manner known per se.



FIG. 3

(Provisional specification 07 Pages Drawing NIL Sheet)

(Complete Specification 18 Pages Drawing 01 Sheets)

Indian Classification	: 32 F	191818
International Classification <sup>7</sup>	: C 07 D 215/00	
Title	: "A PROCESS FOR THE PREPARATION OF 2-METHYL-4(ACETANILIDO)-AMINOQUINOLINE USEFUL AS ANTI-LEISHMANIAL AGENT"	
Applicant	: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi, India, an Indian Registered body incorporated under the Registration of Societies Act.	
Inventors	: NIRANJAN PRASAD SAHU-INDIA, NIRUP BIKASH MANDAL-INDIA, SUKDEB BANERJEE- INDIA, ASISH PRASAD KUNDU-INDIA, MAUSUMI RAHA-INDIA, SANTU BANDYOPADHYAY-INDIA, CHIRANJIB PAL- INDIA, ANIRBAN BASU- INDIA, GANES CHAKRABARTI- INDIA.	

Application for Patent Number 1127/del/99 filed on 19.8.99.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi – 110 005.

(7 Claims)

A process for the preparation of 2-methyl-4-(acetanilido)-aminoquinoline, useful as anti-leishmanial agent which comprises reacting monochloroacetanilide with 4-aminoquinoline in an anhydrous organic solvent such as, dimethylsulphoxide(DMSO), hexamethyl phosphoramide (HMPA) in the presence of deoiled sodium hydride (NaH) in dry inert atmosphere at a temperature in the range of 20<sup>0</sup>C-150<sup>0</sup>C, followed by isolating and purifying by conventional methods to obtain 2-methyl-4-(acetanilido)-aminoquinoline.

(COMPLETE SPECIFICATION 11 PAGES

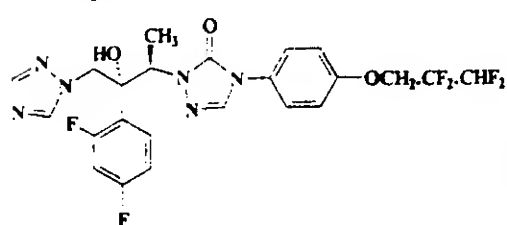
DRAWING SHEET-1 )

Indian Classification	: 55E4	191819
International Classification <sup>4</sup>	: A 61 K 31/00; C07D 248/12.	
Title	: "A process for the preparation of 2-[(1R, 2R)-(2, 4-difluorophenyl)-2-hydroxy-1-methyl-3-(1H-1,2,4-triazol-1-yl)propyl]-4-(2,3',3',3'-tetrafluoropropoxyphenyl)-3-2H, 4H)-1,2,4-thiotriazolone as antifungal agent".	
Applicant	: RANBAXY LABORATORIES LIMITED, a Company incorporated under the Companies Act, 1956 of 19, Nehru Place, New Delhi-110019, <u>INDIA.</u>	
Inventors	: MOHAMMAD SALMAN ASHWANI KUMAR VERMA RITA KATOCH ASHOK RATTAN-ALL INDIAN.	

Application for Patent Number 778/DEL/2001 filed on 19/07/2001

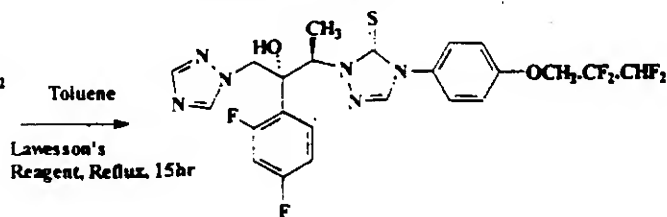
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008. (02 Claims)

A process of preparing a compound namely 2-[(1R,2R)-2-(2,4-difluorophenyl)-2-hydroxy-1-methyl-3-(1H-1,2,4-triazol-1-yl)propyl]-4-(2',2',3',3'-tetrafluoropropoxy-phenyl)-3-(2H,4H)-1,2,4-thiotriazolone of Formula III, as shown in Scheme 1 of the accompanied drawings and its pharmaceutically acceptable salts, enantiomers, diastereomers, useful for treating and/or preventing the fungal infections in mammals, preferably, humans, which comprises reacting the oxo compound namely 2-[(1R, 2R)-2-(2,4-Difluorophenyl)-2-hydroxy-1-methyl-3-(1H-1,2,4-triazol-1-yl)propyl]-4-(2',2',3',3'-tetrafluoropropoxyphenyl)-3(2H,4H)-1,2,4-triazolone of Formula IV, with modified Lawesson's reagent of Formula V, as shown in the accompanied drawings, in a suitable solvent such as toluene at refluxed temperature for a period of 3 to 15 hours, to afford the desired compound of Formula III.

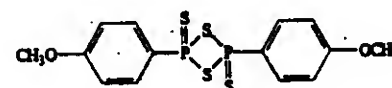


TAK-187

FORMULA IV



FORMULA III



FORMULA V

Indian Classification	: 55 D2	191820
International Classification <sup>7</sup>	A 01 N 27/00; A 01 N 33/20	
Title	: "A PROCESS FOR THE PREPARATION OF A CONTROLLED RELEASE AGENT FOR CONTROLLING THE GROWTH OF THE INSECTS".	
Applicant	: INDIAN COUNCIL OF MEDICAL RESEARCH, an Indian Institute of Ansari Nagar, New Delhi-110 029, India	
Inventors	: NISHA MATHEW-INDIA. MUTHUSWAMI KALYANASUNDRAM-INDIA.	

Application for Patent Number 181/del/01 filed on 22.2.01.

Complete left after provisional specification filed on : 13.2.2002

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi - 110 005.

(5 Claims)

A process for the preparation of a controlled release agent for controlling the growth of the insects comprising preparing a solution of 1-chloro-2,4-dinitrobenzene in a solvent such as herein described, preparing a solution of 2,6-ditertiary butyl phenol in a solvent such as herein described, preparing a solution of sodium hydroxide in water, mixing said solution of butyl phenol with said sodium hydroxide solution, adding this mixture so obtained to said solution of 1-chloro-2,4-dinitrobenzene and refluxing the mixture till the copious precipitate of sodium chloride is obtained, pouring the reaction mixture onto crushed ice so as to precipitate diphenyl ether and then filtering said precipitate, washing the same with water and subsequently crystallization from ethanol, preparing an emulsifiable concentrate in the manner as herein described of said diphenyl ether and incorporating the same into a chemically modified biodegradable polymer matrix such as herein described by cross linking said matrix with aqueous aluminium sulphate solution for 8-48 hours and then drying the same to obtain said controlled release agent.

(PROVISIONAL SPECIFICATION 3 PAGES  
(COMPLETE SPECIFICATION 7 PAGES

DRAWING SHEET-NIL.)  
DRAWING SHEET-NIL.)

## NOTIFICATION (U/S 20(1))

In pursuance of leave granted Under Section 20(1) of the Patents Act, 1970 application No. 269/Del/92 (184944) in the name MCLAREN CARS N.V., has been allowed to proceed in the name of MCLAREN CARS LIMITED, a British Company of Working Business Park, albert Drive, Working, Surrey GU21 5JY, United Kingdom.

## AMENDMENT PROCEEDING UNDER SECTION 57

Notice is hereby given that M/s. Hindustan Lever Limited, of 165/166, Backbay Reclamation, Mumbai-400 020, Maharashtra, India has made application under Section 57 of the Patents Act, 1970 (As Amended) for amendment of address of service in India in respect of Patent Application No. 173462 (224/BOM/1991) for "Process for making a soap composition containing glycerol." The application for amendments and proposed amendment can be inspected free of charge at the Patent Office Branch, Todi Estate, 11th Floor, Sun Mill Compound, Lower Parel (West) Mumbai-400 013, on any working day during the usual office hours or copies of the same can be had on payment of usual copying charges. Any person interested in opposing the application may file the notice of opposition on the prescribed form-14 alongwith full written statement within three months from the date of this notification to the Patent Office Branch, Mumbai.

If full written statement of opposition is not filed with the notice of opposition; it should be left within two months from the date of filing the said notice of opposition.

Notice is hereby given that M/s. Hindustan Lever Limited, of 165/166, Backbay Reclamation, Mumbai-400 020, Maharashtra, India has made application under Section 57 of the Patents Act, 1970 (As Amended) for amendment of address of service in India in respect of Patent Application No. 173953 (223/BOM/1991) for "Process for making a soap composition containing glycerol." The application for amendments and proposed amendment can be inspected free of charge at the Patent Office Branch, Todi Estate, 11th Floor, Sun Mill Compound, Lower Parel (West) Mumbai-400 013, on any working day during the usual office hours or copies of the same can be had on payment of usual copying charges. Any person interested in opposing the application may file the notice of opposition on the prescribed form-14 alongwith full written statement within three months from the date of this notification to the Patent Office Branch, Mumbai.

If full written statement of opposition is not filed with the notice of opposition; it should be left within two months from the date of filing the said notice of opposition.

Notice is hereby given that RHODIA CONSUMER SPECIALTIES LIMITED (formerly ALBRIGHT & WILSON UK LIMITED), of 210-222 Hagley Road West, Oldbury, West Midlands B68 0NN, England have made an application under Section 57 of the Patents Act, 1970 for amendment of their application for Patent No. 81/Del/1993 (185978) "A METHOD FOR THE MANUFACTURE OF STABILIZED AMINE OXIDE". The amendments are by way of correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, W-5 West Patel Nagar, New Delhi-110 008. Copies of the same can be held on payment of the usual copying charges. Any person interested in opposing the application for amendment may file Notice of Opposition on prescribed Form-14 within 90 days from the date of Notification at the Patent Office, Delhi Branch, New Delhi-110 008. If the written Statement of Opposition is not filed with the Notice of Opposition it shall be left within sixty days from the date of filing the said Notice.

Notice is hereby given that M/s NATIONAL POWER PLC., a British company of Senator House, 85 Queen Victoria Street, London EC4V 4DP, United Kingdom, have made an application on Under Section 57 of the Patents Act, 1970 for change of name of their application No. 1348/Del/93 (188043) for "HEAT ENGINE". The amendments are by way of change of name from NATIONAL POWER PLC. to "INTERNATIONAL POWER PLC."

The application and the proposed amendments can be inspected free of charge at Patent Office, W-5, West Patel Nagar, New Delhi-110008 for copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on the prescribed Form within 3 months from the date of this Notification at the Patent Office, New Delhi.

Notice is hereby given that QUEST INTERNATIONAL B.V., a Dutch Company of Huizerstraatweg 28, 1411 GP Naarden, The Netherlands, have made an application under Section 57 of the Patents Act, 1970 for amendment the Complete Specification in respect of their Application for Patent No. 188205 (439/CAL/96) for the invention relating to A FRAGRANCE COMPOSITION AND A PROCESS OF ITS MANUFACTURE. The amendments are by way of correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 5th, 6th & 7th Floors, 2nd MSO Building, Nizam Palace, 234/4, Acharya Jagadish Chandra Bose Road, Kolkata-700020. Copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file Notice of Opposition on prescribed Form-14 within 90 days from the date of Notification at the Patent Office, Kolkata. If the written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing the said Notice.

Notice is hereby given that M/s DSM GIST B.V., of Wateringseweg 1, P.O. Box 1, 2600 MA Delft, The Netherlands, have made an application on Under Section 57 of the Patents Act, 1970 for change of name and address of their application No. 807/Del/2000 (188340) for "A PROCESS FOR THE PREPARATION OF AN N-DEACYLATED CEPHALOSPORIN COMPOUND". The amendments are by way of change of name and address from "DSM GIST B.V., of Wateringseweg 1, P.O. Box 1, 2600 MA Delft, The Netherlands" to "DSM ANTI-INFECTIVES B.V. of Wateringseweg 1, 2611 XT DELFT, The Netherlands."

The application and the proposed amendments can be inspected free of charge at Patent Office, W-5, West Patel Nagar, New Delhi-110008 for copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on the prescribed Form within 3 months from the date of this Notification at the Patent Office, New Delhi.

Notice is hereby given that M/s ROHM GMBH & Co, KG, a German body corporate of Kirschenallee, D-64293, Darmstadt, Germany, have made an application on Under Section 57 of the Patents Act, 1970 for change of address for service of their application No. 1612/Del/95 (188669) for "A PROCESS FOR THE PREPARATION OF A COPOLYMER". The amendments are by way of correction for address for service from M/s Remfry & Sagar, 8 Nangpal Raya Business Centre, New Delhi-110046 to M/s Remfry & Sagar Attorneys-at law Remfry House At Millennium Plaza, Sector 27 Gurgaon-122002 National Capital Region, India.

The application and the proposed amendments can be inspected free of charge at Patent Office, W-5, West Patel Nagar, New Delhi-110008 for copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on the prescribed Form within 3 months from the date of this Notification at the Patent Office, New Delhi.

## NOTIFICATION (U/S 20(1))

In pursuance of leave granted Under Section 20(1) of the Patents Act, 1970 application No. 269/Del/92 (184944) in the name MCLAREN CARS N.V., has been allowed to proceed in the name of MCLAREN CARS LIMITED, a British Company of Working Business Park, albert Drive, Working, Surrey GU21 5JY, United Kingdom.

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"An application in the name of TVC Skyshop. Com Ltd for Cancellation of Registered Design No. 186019 was filed on 16th October, 2003 in class in the name Spaceage Multiproducts (P) Ltd."

"An application in the name of M/s. G.M. Modular Pvt. Ltd for Cancellation of Registered Design No. 188574 was filed on 7th May, 2003 in class 13-03 in the name M/s. Progressive electrical Industries."

"An application in the name of Bharat Glass Tube Limited for Cancellation of Registered Design No. 190336 was filed on 16th October, 2003 in class 25-01 in the name Gopal Glass Works Ltd."

"An application in the name of M/s. G.M. Modular Pvt. Ltd for Cancellation of Registered Design No. 190745 & 190746 was filed on 5th August, 2003 in class 13-03 in the name M/s. Trans Modular (India)."

PATENT SEALED ON 05-12-2003 (KOLKATA)

189781 189782 189784 189786 189787 189789 189891 189892 189893 189894 189896 189897  
189898 189900

DEL—Nil; KOL—14; CHEN—Nil; MUM—Nil.

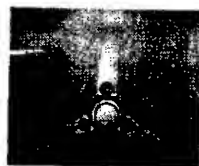



Patents Sealed on 24.11.2003 (Delhi)

188415 189279 189313 189543 189744






**REGISTRATION OF DESIGNS**

The following designs have been registered. They are open for public inspection from the date of registration. (Colour combination if any, is not shown in the representation)





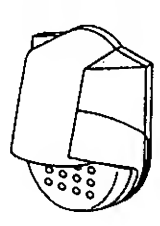
The dates shown in the following each entry is the date of registration.

Class	03-04	No.191928. USHA INTERNATIONAL LTD. OF SURYA KIRAN BUILDING, 19, KASTURBA, GANDHI MARG, NEW DELHI-110001. "CEILING FAN" 22 <sup>nd</sup> April 2003.	
Class	02-04	No.192046. ALERT INDIA ( AN INDIAN PARTNERSHIP FIRM OF C-1, S.M.A. INDUSTRIAL ESTATE, G.T. KAR-NAL ROAD, DELHI: -110 033, (INDIA). "SOLE FOR FOOTWEAR" 6 <sup>th</sup> May 2003.	
Class	02-04	No.192326. THE RISHABH VELVELEEN LIMITED, AN INDIAN COMPANY OFFICE AT 9 <sup>TH</sup> KM, HARDWAR-DELHI ROAD, NEAR RANIPUR TOLL BARRIER, JWALAPUR, HARDWAR:- 249 407, U.P., INDIA. "TEXTILE FABRIC" 5 <sup>th</sup> June 2003.	
Class	05-05	No.192328. THE RISHABH VELVELEEN LIMITED, AN INDIAN COMPANY OFFICE AT 9 <sup>TH</sup> KM, HARDWAR-DELHI ROAD, NEAR RANIPUR TOLL BARRIER, JWALAPUR, HARDWAR:- 249 407, U.P., INDIA. "TEXTILE FABRIC" 5 <sup>th</sup> June 2003.	



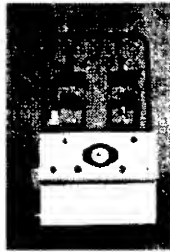


## Page No.2.

Class	05-05	No.192327.. THE RISHABH VELVELEEN LIMITED, AN INDIAN COMPANY OFFICE AT 9 <sup>TH</sup> KM, HARDWAR-DELHI ROAD, NEAR RANIPUR TOLL BARRIER, JWALAPUR, HARDWAR:- 249 407, U.P., INDIA. "TEXTILE FABRIC" 5 <sup>th</sup> June 2003.	
Class	23-02	No.192093. FRIEDRICH GROHE AG & CO. KG, A GERMAN COMPANY, OF HAUPTSTRA-SSE 137, D-58675 HEMER, GERMANY. "SHOWER MIXER" 15 <sup>th</sup> Nov. 2002 (Reciprocity, Germany)	
Class	23-02	No.192094. FRIEDRICH GROHE AG & CO. KG, A GERMAN COMPANY, OF HAUPTSTRA-SSE 137, D-58675 HEMER, GERMANY. "BATH MIXER" 15 <sup>th</sup> Nov. 2002 (Reciprocity, Germany)	
Class	23-01	No.192095. FRIEDRICH GROHE AG & CO. KG, A GERMAN COMPANY, OF HAUPTSTRA-SSE 137, D-58675 HEMER, GERMANY. "HANDLE FOR SANITARY" 15 <sup>th</sup> Nov. 2002 (Reciprocity, Germany)	
Class	19-06	No.191309. M/S. HEMAAPY ENTERPRISES, 4/62, OLD RAJENDER NAGAR, NEW DELHI:- 110 060, ( A PROPRIETORSHIP FIRM), NATIONALITY INDIAN. "STUDIO EASEL" 14 <sup>th</sup> Feb. 2003.	





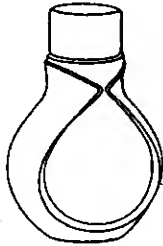
**Page No.3.**

Class	09-01	No.191189. VARAHI PLASTICS PVT. LTD. WZ-8/1, INDUSTRIAL AREA, KIRTI NAGAR, NEW DELHI-110015, INDIA. "CAP OF BOTTLE" 3 <sup>rd</sup> Feb. 2003.	
Class	09-01	No.191191. VARAHI PLASTICS PVT. LTD. WZ-8/1, INDUSTRIAL AREA, KIRTI NAGAR, NEW DELHI-110015, INDIA. "BOTTLE WITHOUT CAP" 3 <sup>rd</sup> Feb. 2003.	
Class	19-06	No.191308. M/S. HEMAAPY ENTERPRISES, 4/62, OLD RAJENDER NAGAR, NEW DELHI: -110 060, ( A PROPRIETORSHIP FIRM), NATIONALITY INDIAN. "PORTABLE EASEL" 14 <sup>th</sup> Feb. 2003.	
Class	02-04	No.189917. KHAITAN (INDIA) LIMITED, AN INDIAN COMPANY OF 46C, JAWAHAR LAL NEHRU ROAD, KOLKATA: -700 071, W.B., INDIA. "CEILING FAN BLADE" 11 <sup>th</sup> Sept. 2002.	
Class	15-07	No.191349. KABUSHIKI KAISHA TOSHIBA, A JAPANESE CORPORATION, OF 1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO, JAPAN. "A WATER FEEDER FOR REFREIGERATORS" 1 <sup>st</sup> Nov. 2002 (Reciprocity, Japan)	



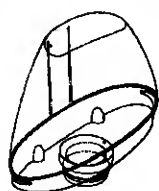
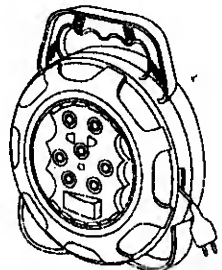

## Page No.4.

Class	09-03	No.192349. VAN LEER MOULDED FIBRES INDIA LIMITED OF PARIJAT HOUSE, 2 <sup>ND</sup> FLOOR, 1076, DR/ E. MOSES ROAD, WORLI, MUMBAI-400018, MAHARASHTRA, INDIA, AN INDIAN CO. 17 <sup>th</sup> June 2003.	
Class	19-06	No.192470. R.K. BROTHERS, AN INDIAN PARTNERSHIP FIRM OF 16, BONFIELD LANE, 2 <sup>ND</sup> FLOOR, ROOM NO.95, KOLKATA:- 700 001, WEST BENGAL, INDIA, "BALL PEN" 27 <sup>th</sup> June 2003	
Class	24-01	No.192333. SUPREME ENTERPRISES AN INDIAN SOLE PROPRIETORSHIP FIRM AT X-33, NAVEEN SHAHDARA, DELHI:-1100322, INDIA AN INDIAN NATIONAL OF ABOVE ADDRESS. "SUCTION APPARATUS" 11 <sup>th</sup> June 2003.	
Class	04-02	No.191345. COLGATE-PALMOLIVE COMPANY OF 300 PARK AVENUE, NEW YORK, NEW YORK, U.S.A. 10022, A US COMPANY. "TOOTHBRUSH HANDLE" 21 <sup>st</sup> Aug. 2002. (Reciprocity, U.S.A.)	
Class	14-01	No.190628. BOSE CORPORATION, A DELAWARE CORPORATION OF THE MOUNTAIN, FRAMINGHAM, MASSACHUSETTS 01701-9168, U.S.A. "LOUDSPEAKER" 31 <sup>st</sup> May 2002. (Reciprocity, U.S.A.)	



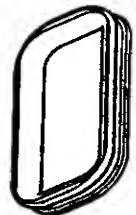
Page No.5.

Class	04-02	No.191620. MEERA DEVI, AN INDIAN OF VILLAGE-DALHATTA BAZAR, P.O. & DISTRICT- MONGHYR, BIHAR, INDIA. "TOOTH BRUSH CUM TONGUE CLEANER" 24 <sup>th</sup> March 2003.	
Class	13-03	No.191507. DHANISH JAYANTILAL JAIN, AT NO.8/2, CONJEEVARAM SABAPATHY STREET, KONDITHOPE, CHENNAI: -600 079, T.N., INDIA. "SWITCHES" 7 <sup>th</sup> March 2003.	
Class	09-01	No.191188. VARAHI PLASTICS PVT. LTD. WZ-8/1, INDUSTRIAL AREA, KIRTI NAGAR, NEW DELHI-110015, INDIA. "CAP OF BOTTLE" 3 <sup>rd</sup> Feb. 2003.	
Class	21-01	No.192177. VIKAS JAIN OF MANOHAR TOYS (INDIA) OF 1242/43, STREET NO. 1, FAIZ GANG, BAHADURGARH ROAD, DELHI-110006, AN INDIAN NATIONAL. 'TOY-CAR' 23 <sup>rd</sup> May 2003.	
Class	23-04	No.192114. RECKITT BENCKISER (UK) LIMITED, A BRITISH COMPANY, OF 103-105 BATH ROAD, SLOUGH, BERKSHIRE, SL1 3UH, UNITED KINGDOM. 16 <sup>th</sup> Nov. 2002 (Reciprocity, U.K.)	

## Page No.6.

Class	09-01	No.191190. VARAHI PLASTICS PVT. LTD. WZ-8/1, INDUSTRIAL AREA, KIRTI NAGAR, NEW DELHI-110015, INDIA. "CAP OF BOTTLE" 3 <sup>rd</sup> Feb. 2003.	
Class	05-05	No.191447. THE RISHABH VELVELEN LIMITED, AN INDIAN COMPANY OFFICE AT 9 <sup>TH</sup> KM, HARDWAR-DELHI ROAD, NEAR RANIPUR TOLL BARRIER, JWALAPUR, HARDWAR:- 249 407, U.P., INDIA. "TEXTILE FABRIC" 5 <sup>th</sup> June 2003.	
Class	23-02	No.190547. HINDUSTAN LEVER LIMITED, AT HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, MUMBAI:-400 020, MAHARASHTRA, INDIA. "REFILL CARTRIDGE FOR LIQUID DISPENSER FOR WC RIM" 27 <sup>th</sup> May 2002. (Reciprocity, U.K.)	
Class	13-03	No.191695. MONALISA ELECTRICALS, GALA NO. 21, KAILASH INDUSTRIAL ESTATE, CHEMBUR-MAHUL ROAD, OPP: SHIV TEMPLE, CHEMBUR COLONY, MUMBAI-400074, MAHARASHTRA, INDIA. "ELECTRIC FLEX BOX" 31 <sup>st</sup> March 2003.	
Class	12-11	No.191654. SUZUKI MOTOR CORPORATION, OF 300 TAKATSUKA-CHO HAMAMATS-USHI, SHIZUOKA-PREF., JAPAN, A JAPANESE CORPORATION. "MOTOR CYCLE" 1 <sup>st</sup> October 2002 (Reciprocity, Japan)	

**Page No.7.**

Class	07-03	No.192019. NARPATRAJ KUNDANLAL MEHTA AN INDIAN NATIONAL, OF 2, SHANTINATH APARTMENTS, SHEKH NO. PADO-OPP: ZAVARIWAD RELIEF ROAD, AHMEDABAD- 380001, GUJARAT STATE, INDIA. "DISPOSABLE SPOON" 1 <sup>st</sup> may 2003.	
Class	04-02	No.191472. COLGATE-PALMOLIVE COMPANY OF 300 PARK AVENUE, NEW YORK, NEW YORK, U.S.A. 10022, A US COMPANY. "TOOTHBRUSH HANDLE" 12 <sup>th</sup> Sept. 2002. (Reciprocity, U.S.A.)	
Class	15-06	No.191782. BRACKER AG, A SWISS CORPORATION OF OBERMATTSTRASSE 65, 8330 PFAFFIKON ZH, SWITZERLAND. "MAIL EYE FOR TEXTILE" 4 <sup>th</sup> April 2003.	

Dr. S. N. MAITY  
Controller General of Patents, Designs & Trade Marks